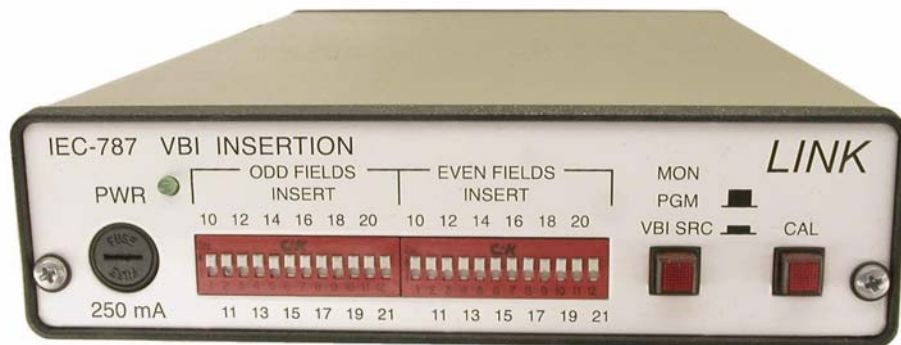




LINK ELECTRONICS, INC.

VERTICAL BLANKING INSERTION MODEL IEC-787



FEATURES

- ◆ VBI Insertion
- ◆ Field 1 & Field 2 Process
- ◆ Line 10 thru 21
- ◆ Recover Lost Captions

The LINK model IEC-787 is a video inserter that provides an economical way to recover signals in the vertical blanking interval that may be lost during video processing such as video compression or overlay and comb filtering. This would include Closed Caption data on line 21, Ghost Cancellation Reference signal on line 19 and other signals in the vertical interval.

Using front panel switches, any of lines 10 through 21 may be selected for insertion by the IEC-787. Odd and even fields are handled separately. The keyer employs the same high performance phase-linear circuit used by LINK Closed Caption equipment to provide clean insertion, completely free of artifacts. Overall video handling is outstanding as well.

Differential input configuration is standard on both video inputs, but single ended configuration can be selected by an internal jumper.

A switchable Monitor output allows the user to view either of the video inputs ahead of the keyer. For system timing, a front panel calibrate switch will cause the unit to alternate between inputs at a field rate. If no input is connected to the VBI Source Input BNC, the IEC-787 may be used to simply pass or delete selected lines in the VBI of the program video.

Packaged in LINK's attractive and rugged 700 series chassis, and covered by a ten-year warranty, the IEC-787 will provide years of reliable service.

MODEL IEC-787 VERTICAL BLANKING INSERTER

SPECIFICATIONS

INPUT:

Program Input:	1.0 Vp-p \pm 3dB
VBI Source Input:	1.0 Vp-p \pm 3dB
Program Input Impedance:	75 Ω \pm 3dB
VBI Source Input Impedance:	>20K Ω Looping
Return Loss:	>45dB
Configuration:	Differential
Common Mode Rejection:	>50dB @60 Hz
Common Mode Range:	4Vp-p
Maximum DC On Inputs:	\pm 6 VDC

OUTPUT:

Number of Outputs:	
Program Output:	One
Monitor Output:	One
Power-off Bypass:	PGM in to PGM out
Level:	Unity Gain \pm 1%
Impedance	75 Ω 1%
Frequency Response	\pm 0.5 to 18MHz -3dB to 30MHz
Line Rate Tilt:	<0.1%
Field Rate Tilt:	<0.1%
DC Offset:	<50mV, Clamped
Crosstalk, VBI Source to PGM:	>60dB @ 3.58MHz >50dB @ 10.0MHz
S/N Ratio:	>65dB
Propagation Delay:	25ns
Differential Phase:	<0.2 $^{\circ}$
Differential Gain:	0.1%

ENVIRONMENTAL:

Temperature:	0 $^{\circ}$ to 50 $^{\circ}$ C ambient
Humidity:	10% to 90% non-condensing
Power Consumption:	8.4 Watts
AC Voltage:	120/240 +10%, 50/60Hz

MECHANICAL:

Height:	1.0 Inch
Width:	5.5 Inches
Depth:	9.25 Inches

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IEC-787 REAR PANEL



PRT-700 RACK TRAY / HOLDS 3 IEC-787's

PROFESSIONAL SERIES--

stand-alone television system products--by **LINK**